

Attorney Docket No.  
77/58-46762.3

RECEIVED

PATENT

JUN 22 98

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
GROUP: 330

Applicant : ROSS ET AL.

Serial No. : 08/854,686

Examiner: A. Kashnikow

Filed : May 12, 1997

Group Art Unit: 3752

For : LIQUID DISPENSING APPARATUS HAVING A  
VIBRATING PERFORATE MEMBRANE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to their duty of disclosure under 37

C.F.R. § 1.56, Applicants bring the following documents to the  
attention of the Examiner in the above-identified patent  
application:

1. U.S. Patent No. 3,970,250 issued July 20, 1976;
2. U.S. Patent No. 4,312,009 issued January 19, 1982;
3. U.S. Patent No. 4,450,375 issued May 22, 1984;
4. U.S. Patent No. 4,542,389 issued September 17, 1985;
5. U.S. Patent No. 4,570,630 issued February 18, 1986;
6. U.S. Patent No. 4,589,000 issued May 13, 1986;
7. U.S. Patent No. 4,617,581 issued October 14, 1986;
8. U.S. Patent No. 4,620,202 issued October 28, 1986;
9. U.S. Patent No. 4,746,466 issued May 24, 1988;
10. U.S. Patent No. 4,806,955 issued February 21, 1989;
11. U.S. Patent No. 4,877,989 issued October 31, 1989;
12. U.S. Patent No. 5,072,240 issued December 10, 1991;
13. U.S. Patent No. 5,177,504 issued January 5, 1993;

#5/103  
RECEIVED  
JUN 20 1998  
3200

14. U.S. Patent No. 5,586,550 issued December 24, 1996; and
15. European Patent Application 0 432 992 A1 published June 19, 1991.

A PTO-1449 form is included herewith listing these documents, and a copy of each of these documents is attached.

All of the documents are in English or are accompanied by an English language Abstract, so Applicants respectfully urge that further comment is unnecessary in accordance with 37 C.F.R. 1.98(a)(3).

Applicants note that some of the filed documents have an effective date subsequent to Applicants' earliest effective filing date. As such, these documents are being provided for informational purposes.

A first Official Action has not yet issued for this application. Therefore, it is respectfully urged that no fees are required for the Examiner's consideration of the documents listed in this Information Disclosure Statement.

It is further requested that a listing of the same appear on the face of any patent which may issue from this application.

Respectfully submitted,

BEVERIDGE, DeGRANDI, WEILACHER & YOUNG, L.L.P.

By: \_\_\_\_\_

Dennis C. Rodgers, Reg. No. 32,936  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 659-2811  
Facsimile: (202) 659-1462

June 22, 1998